

PATENT APPLICATION

for:

"Method of protecting against corrosion at high
temperature"

in the name of

L'AIR LIQUIDE, Société Anonyme à Directoire et Conseil
de Surveillance pour l'Étranger et l'Exploitation des
Procédés Georges Claude

Inventors: Sophie Wastiaux, Michel Poteau

ABSTRACT

The invention relates to a method of protecting equipment intended to operate at high temperature in the presence of a fluid containing at least one hydrocarbon and/or carbon monoxide against corrosion by metal dusting, method in which pieces of the equipment are made from an alloy containing nickel, iron, chromium and/or aluminum, and in which said pieces of the equipment are protected from said corrosion by a protective coating. This method is characterized in that said equipment pieces protected in this way are connected to each other by means of joining pieces, said joining pieces being protected beforehand by a protective coating over at least part of their surface intended to be brought into contact with said fluid at high temperature, and in that each of the connections intended to be subjected to said corrosion is produced by external welding of the ends of the joining piece with said pieces of equipment.

Figure 2